

## DAFTAR PUSTAKA

- Ahmed, W. H., Aman, A. M., Badr, H. M., & Al-Qutub, A. M. (2016). Air injection methods: The key to a better performance of airlift pumps. *Experimental Thermal and Fluid Science*, 70, 354–365.
- Cengel, Y.A. & Michael, A. B, 2006, *Thermodynamics: an Engineering Approach, Fifth Edition*, McGraw Hill Education, New York.
- Deendarlianto, Supraba, I., Majid, A. I., Pradecta, M. R., Indarto, & Widyaparaga, A. (2019). Experimental investigation on the flow behavior during the solid particles lifting in a micro-bubble generator type airlift pump system. *Case Studies in Thermal Engineering*, 13(January 2019), 100386.
- Dinaryanto, O., Widyatama, A., Majid, A. I., Deendarlianto, & Indarto. (2016). Image processing analysis on the air-water slug two-phase flow in a horizontal pipe. *AIP Conference Proceedings*, 1737.
- Gonzalez, R. C., Woods, R. E., & Eddins, S. L. (2009). *Digital Image Processing Using MATLAB*. United States of America: Gatesmark Publishing.
- Hanafizadeh, P., Ghanbarzadeh, S., & Saidi, M. H. (2011). Visual technique for detection of gas-liquid two-phase flow regime in the airlift pump. *Journal of Petroleum Science and Engineering*, 75(3–4), 327–335.
- Hanafizadeh, P., & Ghorbani, B. (2019). Review Study on Airlift Pumping Systems. *Multiphase Science and Technology*, 24(4), 323–362.
- Kassab, S. Z., Kandil, H. A., Warda, H. A., & Ahmed, W. H. (2007). Experimental and analytical investigations of airlift pumps operating in three-phase flow. *Chemical Engineering Journal*, 131(1–3), 273–281.
- Khalil, M. F., Elshorbagy, K. A., Kassab, S. Z., & Fahmy, R. I. (1999). Effect of air injection method on the performance of an air lift pump. *International Journal of Heat and Fluid Flow*, 20(6), 598–604.

Lower, Stephen (2019) Liquids and their Interfaces, Artikel Forum CHEMISTRY LibreTexts([https://chem.libretexts.org/Bookshelves/General\\_Chemistry/Book%3A\\_Chem1\\_\(Lower\)/07%3A\\_Solids\\_and\\_Liquids/7.04%3A\\_Liquids\\_and\\_their\\_Interfaces](https://chem.libretexts.org/Bookshelves/General_Chemistry/Book%3A_Chem1_(Lower)/07%3A_Solids_and_Liquids/7.04%3A_Liquids_and_their_Interfaces) diakses pada 12 Juni 2019).

Mahrous, A. F. (2013). Experimental Study of Airlift Pump Performance with S-Shaped Riser Tube Bend. *International Journal of Engineering and Manufacturing*, 3(1), 1–12.

Majid, A. I., Hartarto, B., Dinaryanto, O., Deendarlianto, & Indarto. (2014). The Implementation of Image Processing Technique on the Study of Pipe Diameter Effects for Horizontal Co-current Air-Water Plug Two-Phase Flow. *Prosiding Seminar Nasional Perkembangan Riset dan Teknologi di Bidang Industri ke 20* (hal. MF-1 - MF-6). Yogyakarta: Pusat Studi Ilmu Teknik UGM.

McAndrew, A. (2004). *An Introduction to Digital Image Processing with Matlab*. Melbourne: Victoria University of Technology.

Munson B. R., 2009, *Fundamental of Fluid Mechanics*, DON FOWLEY, United States of America.

Sadatomi, M., Kawahara, A., & Nishiyama, T. (2012). Experiment and Performance Prediction of Bubble-Jet Type Air-Lift Pump for Dredging Sediments on Sea and Lake Beds. *Advances in Fluid Mechanics and Heat Transfer*, 311–316.

Sorour, M. M., & El-Beshbeeshy, M. S. (1986). Void fraction and pressure fluctuations of bubbly flow in a vertical annular channel. *Experiments in Fluids*, 4(3), 163–170.

Taitel, Y., Bornea, D., & Dukler, A. E. (1980). Modelling flow pattern transitions for steady upward gas-liquid flow in vertical tubes. *AIChE Journal*, 26(3), 345–354.